

1   **WHAT IS CLAIMED IS:**

2           1. A foldable bicycle comprising:

3           a frame having a front end, a rear end, a head tube formed on the front  
4   end and a seat tube formed on the rear end;

5           a front fork rotatably extending through the head tube and having a top  
6   and a bottom;

7           a front wheel rotatably mounted on the bottom of the front fork by a front  
8   axle;

9           a seat post extending through the seat tube and having a top with a seat;

10          a rear fork having a proximal end pivotally attached to the frame and a  
11   rear end;

12          a rear wheel rotatably mounted on the distal end of the rear fork;

13          a drive assembly mounted between the rear fork and the rear wheel to  
14   rotate the rear wheel;

15          a stem connected to the top of the front fork with a handlebar positioning  
16   device and having a bottom, the handlebar positioning device comprising:

17                 a bracket mounted on the top of the front fork and having a side  
18   and a longitudinal slot defined in the side of the bracket to form two wings on the  
19   side of the bracket;

20                 a locking pin mounted between the wings;

21                 a locking neck protruding from the bottom of the stem, mounted in  
22   the longitudinal slot in the bracket and having a distal end with a notch to  
23   selectively hold the locking pin and a longitudinally elongated transverse  
24   through hole longitudinally defined through the locking neck; and

1                   a handlebar quick-release device mounted on the bracket to hold  
2 the locking neck in the bracket and having:

3                   a compression pin extending through the wings and the  
4 longitudinally elongated transverse through hole in the locking neck and having  
5 a threaded distal end;

6                   a compression washer mounted around the compression pin  
7 near the thread distal end and abutting one of the wings of the bracket; and

8                   a compression lever attached to the threaded distal end of the  
9 compression pin and having an eccentric cam abutting the compression washer;

10               a handlebar transversely mounted on the stem; and

11               a shock absorber mounted between the frame and the rear fork and  
12 having a proximal end pivotally attached to the frame and a distal end connected  
13 to the rear fork by a rear fork positioning device, and the rear fork positioning  
14 device comprising:

15               a U-shaped bracket securely attached to the rear fork and having  
16               two sides to hold the distal end of the shock absorber between  
17 the two sides;

18               two through holes defined respectively in the two sides of the  
19 bracket; and

20               two notches defined respectively in the sides of the bracket  
21 and communicating with a corresponding one of the through holes; and

22               a shock absorber quick-release device mounted on the bracket to  
23 hold the distal end of the shock absorber in the bracket and having:

24               a compression pin extending through the through holes in the

1 sides of the bracket and the distal end of the shock absorber and having a  
2 threaded distal end;  
3 a compression washer mounted around the compression pin  
4 near the threaded distal end and abutting one of the sides of the bracket; and  
5 a compression lever attached to the threaded distal end of the  
6 compression pin and having an eccentric cam abutting the compression washer.

7 2. The bicycle as claimed in claim 1, wherein the seat post is detachably  
8 mounted in the seat tube;

9 the seat tube has a top and a slit with two sides longitudinally defined in  
10 the top of the seat tube;

11 two ears are formed on the top of the seat tube and are respectively at the  
12 two sides of the slit; and

13 a seat quick-release device are mounted on the seat tube to securely hold  
14 the seat post in the seat tube, and the seat quick-release device comprises

15 a compression pin extending through the ears on the seat tube and  
16 having a threaded distal end;

17 a compression washer mounted around the compression pin near  
18 the threaded distal end and abutting one of the ears of the seat tube; and

19 a compression lever attached to the threaded distal end of the  
20 compression pin and having an eccentric cam abutting the compression washer.

21 3. The bicycle as claimed in claim 2 further comprising multiple  
22 positioning holes defined longitudinally through the seat tube;

23 a single through hole defined through the seat post and selectively  
24 corresponding to any one of the positioning holes in the seat tube; and

1           a lock mounted inside the seat post and having an end with a knob  
2   extending through the single through hole in the seat post and into a  
3   corresponding positioning hole in the seat tube.

4           4. The bicycle as claimed in claim 1, wherein the longitudinal slot in the  
5   handlebar positioning device is defined in a side of the bracket away from the  
6   frame.

7           5. The bicycle as claimed in claim 1, wherein the front fork has a  
8   transverse slot with an upper edge defined through the bottom of the front fork  
9   through which the front axle extends; and  
10          multiple recesses are defined in the upper edge of the transverse slot to  
11   selectively hold the front axle.